



US006355023B1

(12) **United States Patent**
Roth et al.

(10) Patent No.: **US 6,355,023 B1**
(45) Date of Patent: **Mar. 12, 2002**

(54) **CLOSED SYSTEM ACCESS DEVICE**

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(*) Notice: Subject to any disclaimer, the term of this patent is extended or adjusted under 35 U.S.C. 154(b) by 0 days.

(21) Appl. No.: **09/440,391**

(22) Filed: **Nov. 15, 1999**

(51) Int. Cl.⁷ **A61B 5/32**

(52) U.S. Cl. **604/411; 604/905; 604/533**

(58) Field of Search **604/533, 198, 604/263, 905, 408-415, 244, 83, 86, 192, 199, 256, 239, 264, 272, 537, 538; 128/919; 141/329, 369, 370, 374, 382, 383; 600/573, 576, 577, 579, 580**

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(57) **ABSTRACT**

The above-discussed and other drawbacks and deficiencies of prior art are overcome or alleviated by the closed system access device of the present invention. The closed system access device provides a tool for managing fluid transactions that ensures the sterility of a needle, prevents exposure to toxic or hazardous medicines, and protects against needle stick by completely encasing the needle in a housing. The device allows for a protected needle withdrawal of blood, injection of medicine and transfer of fluids by use of an unexposed, internal needle which inhibits contamination and prevents contact with the transferred blood and/or medicine.

14 Claims, 8 Drawing Sheets

